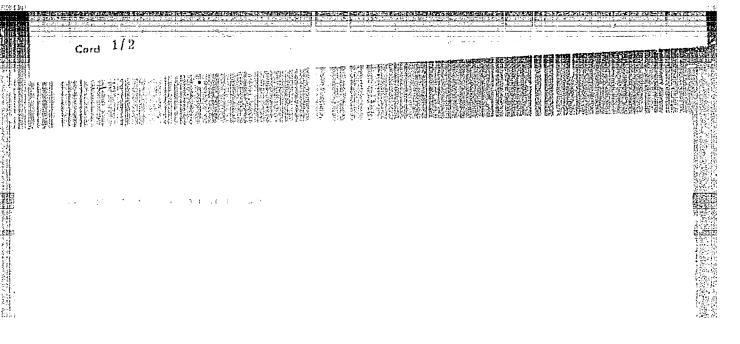
i Taraka estek				
3321304		A STATE OF THE STA	Part of the Part o	printer and the second second
	SUBMITTED: 20Sep83	ENCL: 00		
	SUBMITTED: 28Sep83	LIITULI, UU		
1				
	•			100000
Ĩ	Endinger in a security of the leading of	NO REF SUV: 002	OTHER: FK	20 H 22 H
<u>t</u>	SUB CODE: GC. OC	NO FEE SCY, 902	OTHER, 530	99 2 No.
Ī				
į				
i				
ŧ				Title (Fi
1				15 (A)
1				
:				
:				V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
				74559
				· · · · · · · · · · · · · · · · · · ·
				PM 455 8
				A 1824
•	Paral Els			ENITE CONTRACTOR
į	Cord 1/2			e de la companya della companya della companya de la companya della companya dell
•				
•				1.7213.5211
				科教科技
LEE	審書,數學數數數學 (E. E. 1996) (The 1996) And Andrew Contracts and Andrew	Participal form of a state of the control of the co	Military Principle. 16 and Reference at the areas are come.	
日本語			HEROMANIAN KANELETA	
自翻旗	都在 机过程多量 化邻亚烷酸 人名伊尔特斯特拉德		elcorio chimo di patical	在这种是一种发生的。 2006年已
10世紀	化抗 对自身主转 化对单温热 化环代化物 经未被股份 经银行			BIOMBOURE VERBILL
[]報源[
门翻船				State of the state
1.1軽器	种的 经现代的 医使用性肾清洁 化二羟甲酸医甘酚酚医异核代甘		AND MANAGEMENT AND ASSESSMENT OF THE PARTY O	特別執
付別選	膜性 科達托 627 共122 计行为计算 经建筑的基础设置的	Egging Eggint Land, 18 a. S. Land, 18 a		\$43.2
封朝鄉	機能 製造書品を 4 m 出土といい			\$164.4.
	•			



Adsociation: Institut elementoe rganichaskikh soedinenly Akademii nauk SSR Institute of the vano. Elemental Company of the Academy of Sciences, SSSR)

ZAKHARKIN, L.I.; BILEVICH, K.A.; OKHLOBYSTIN, O.Yu.

Interaction of organizagnesium compounds with alkyl halides in a dimethoxyethene solution. Dokl. AN SSSR 152 no.2:338-341 S *63. (MIRA 16:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom A.N. Nesmeyanovym.

11

Į!

ACCESSION NR: AP4010038

S/0062/64/000/001/0050/0054

U

AUTHOR: Kovredov, A. I.; Zakharkin, L. I.

TITLE: Synthesis of 1-chloroborcycloalkanes

SOURCE: AN SSSR. Izvestiya. Ser. khim., no. 1, 1964, 50-54

TOPIC TAGS: 1-chloroborcycloalkane, synthesis, tetraalkyldiborane catalyst, bisalpha.omega-(1-borcycloalkyl)alkane, boralkane cyclization, 1.5-dichloro-1.5-diborocyclooctane, bis-alpha, omega-(dichlorobor)alkane

ABSTRACT: 1-chloroborcyclopentane, 1-chloroborcyclohexane and 1-chloroborcycloheptane may be synthesized by reacting the appropriate bis-alpha, omega-(1-borcyclo-alkyl)alkane with a 1:1 molar ratio of BCl3 at 140C in the presence of a catalytic amount of tetraalkyldiborane to form a polymer which depolymerizes on heating in vacuum. On heating Cl2B(CH2)n BCl2, where n=4, 5, or 6, to 200-250C, BCl3 is liberated and the alkane is cyclized to form the corresponding 1-chloroborcycloalkane. Similar treatment of Cl2B(CH2)3BCl2 results in BCl3

Card1/2

evolution and the formation of 1,5-dichloro-1,5-diborocyclooctane. Bis-alpha, omega-(1-borcycloalkyl)alkanes, when heated with 1:4 molar ratio of BCl3 to 140C in the presence of a catalytic amount of tetraalkyldiborane, are converted to the corresponding bis-alpha, omega-(dichlorobor)alkanes. Orig. art. has: 6 equations.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Metallo-organic Compounds Academy of Sciences SSSR)

SUBMITTED: 29Aug63

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: CH

NO REF SOV: 003

OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

Preparation of 6-substituted 2-pyrones via 8, 3-dichloroscrolein

and its chloroacetals. Izv.AN SSSR. Ser.khim. no.1:73-77 Ja
164. (MIRA 17:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARKIN, L.I.; ZHIGAREVA, G.G.

Dimerization of isoprene on complex nickel catalysts. Izv.AN SSSR. Ser.khim. no.1:163-169 Ja '64. (MIHA 17:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

	f ethane-1,1- and Izv. Seriya khiric e diboric acid, di diboric acid ace: thora report the price and diborane di	cheskaya, no. 2 borane, dichlor reparation of the ssolved in ethe with EC13 to 1	he above acids by to ror tetrahydrofura 80-2000, produces a proportion of 1:1	tylene chloride, che inter- in forming a a good yield be namely	
of two bis-(dichloro bis-1,1-(dichloro above produced co given. Orig. art	boro)ethane and bi cresponding ethans has: no figure	diboric acids. diboric acids. diboric acids.	proportion of 1:1 boro)ethane. Hydr Their characteris	•	t ;
				and the second seco	·
Card 1/2					

ACCESSI	on wr:	AP4019	021						. .		
ASSOCIA	TION:	Institu Element	t eleme	ntoorg	anicheski ounds, AN	ith soyedi. SSSR)	nealy .	AM 5358			•
SURMITI				D	ATE ACQ:	27Mar64		encl:	00		
SUB COL		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			o rep sov		•	other:	001		• .
	· ·	••								9	
· · · · · · · · · · · · · · · · · · ·	•		. • •	•			:				
	•		•				•		i		
•			•	•		•		•		•	* 4
	•	•	<u>.</u>		•	,	• :			• .	

ZAKHARKIN, L.I.; KHORLINA, I.M.

Reduction of some derivatives of acids to aldehydes with sodium dissobutylaluminum dihydride, Izv. AN SSSR. Ser.khim. mo.3: 465-469 Mr '64. (MIRA 17:4)

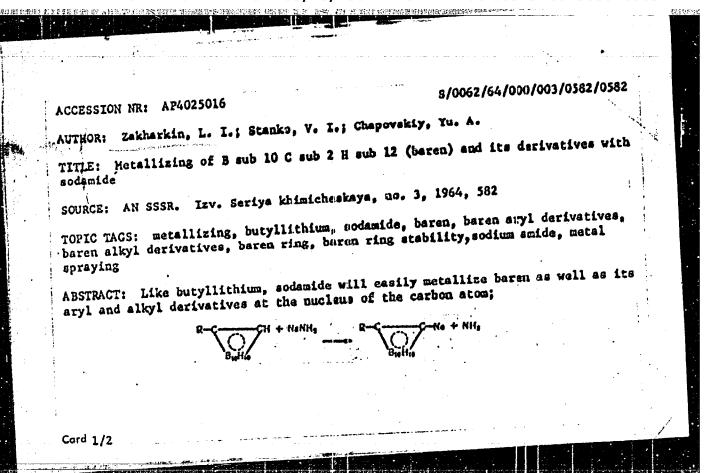
1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; MASLIN, D.N.; GAVRILENKO, V.V.

Reduction of organic compounds by sodium aluminum hydride in hydrocarbon media. 12v. AN SSSR. Ser.khim. no.31561-564 Mr '64.

(MIRA 17:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.



"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963520003-2

http://www.parefullings.com/

ACCESSION NR: AP4025016

a quantitative yield of the sodium derivative will be obtained upon using an excess of sodamide. Further carbonylation will yield the corresponding acids.

Sodamide treatment will result in the formation of monobarenylsodium only, which is in contrast to treatment with butyllithium. Such metallization indicates the ease with which the proton is detached from the carbon atom of the baren ring, due apparently to the great stability of the barenyl anion. Orig. art. heat 4 formulas.

ASSOCIATION: AN, SSSR

SUBMITTED: 28Nov63

DATE ACQ: 17Apr64

ENCL: 00

SUB CODE: GC

NO REF SCV: 001

OTHER: 000

Card 2/2

ZAKHARKIN, L. I.; CHAPOVSKIY, Yu. A.

Cleavage of C-C bonds in the derivatives of "barencarboxylic acids."

Izv AN SSSR Ser Khim no. 4:772 Ap 164. (MIRA 17:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; STANKO, V.I.; KLINOVA, A.I.

Exchange reactions of Bio dip fall-type decaborage complexes. Izv. AN. SSSR. Ser. khim. no. 5:937-918 & 164. (MIRA 17.6)

1. Instib elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; GAVRILENKO, V.V.; MASLIN, D.N.

Obtaining aldehydas in the reduction of carboxylic acidesters with aluminum hydrids. Izv. AN.SSGR.Ser.khim. no. 5: 926-928 My *64. (MIRA 17:6)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARKIN, L.I.; STANKO, V.I.; ERETISSY, V.A.

Synthesis of some neetylenic alcohols. Izv. AM.GSCR.Cor.khiz.
no. 51931-932 Ny 164. (MERA 1716)

1. Institut elementoorganichestikh soyedinenty AN SSCR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARKIN, L.I.; STANKO, V.I.; CHAPOVERIY, Yu.A.

Anomalous reaction of phenylpropiclic acid chloride with diacetonitrile decaborane. Inv. AN. SSSR. Mer. Rhim. no. 5:944 My '64. (MIRA 17:6)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

AMELINANCE ELEVANCE ELEVANTE DE L'ESTATE LE LE LE LES ELEVANTES DE L'ESTATE DE L'ESTATE L'ESTA

ZAKHARKIN, L.I.; SAVINA, L.A.

Synthesis of some unsaturated organization compounds. Izv. AN SSSR Ser. khim. no.7:1222-1225 Jl '64. (MIRA 17:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; OKHOLOBYSTIN, O.Yu.; BILEVICH, K.A.

Exchange reactions of alkyls between organomagnesium compounds and halides. Izv. AN SSSR Ser. khim. no.7:1347-1349 Jl. '6/... (MIFA 17:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; MASLIN, D.N.; GAVRILENKO, V.V.

Reduction of aromatic nitrilles to aldehydes by means of sodium aluminum hydride. Izv. AN SSSR. Ser. khim. no.8: 1511-1512 Ag *164. (MIRA 17:9)

1. Institut elementoorganicreskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

8/0078/64/009/006/1350/1357

AUTHOR: Zakharkin, L. I.; Maslin, D. N.; Gavrilenko, V. V.

TITIE: Reaction of boron trifluoride with acdium aluminum hydride.

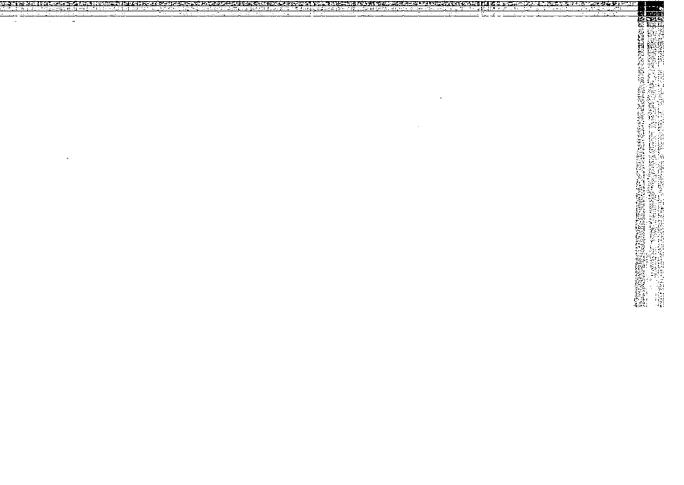
SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 6, 1964, 1350-1357

TOPIC TAGS: boron trifluoride, sodium aluminum hydride, dibrane, diborane synthesis

ABSTRACT: The purpose of this work was to investigate the interaction of boron trifluoride with sodium aluminum hydride as a possible method for the production of diborane. The work was conducted in dimethyl other solutions of diethylene glycol at different temperatures and with the addition of constituents in different orders. It was established that upon the interaction of equimolar amounts of sodium aluminum hydride and boron trifluoride in diethylene glycol solutions with the mormal order of addition of reagents, sodium borohydride is produced with a high yield. In this reaction there was a 90% yield of diborane. It is shown that this reaction proceeds according to two different paths depending on the temperature. At 25 C the reaction is: 3NaAlH₁ + 7BF₃ --- 2 B₂H₆ + 3 NaBF₁ + 2 AlF₃ and at 80 - 100 C the reaction is: 3NaAlH₄ + 4 BF₃ --- 2 B₂H₆ + 3 NaAlF₄

ard 3/

It was found that the following reactions also take place: 3 NaAlH ₁₁ + 4 NaBF ₁₁ + 4 AIF ₃ - 2 B ₂ H ₆ + 7 AIF ₁₁ 3 NaBH ₁₁ + NaBF ₁₁ + 4 AIF ₃ - 2 B ₂ H ₆ + 1 NoAlF ₁₁ NaAlH ₁₁ + NaBF ₁₁ - NaAlF ₁₁ + NaHH ₁₁ Orig. art. has: 1 table and 2 figures ASSOCIATION: None SUEMITTED: 15Apr63 ENCL: 00 SUB CODE: IC NO REF S(W: CO1) OTHER: OO4									-	- -
3 NaHH ₁ + 4 NaBF ₁ + 4 AIF ₃ - 2 B ₂ H ₆ + 7 AIF ₁ 3 NaHH ₁ + NaBF ₁ + 4 AIF ₃ - 2 B ₂ H ₆ + 1 NaAIF ₁ NaAIH ₁ + NaBF ₁ - NaAIF ₁ + NaIH ₁ Orig. art. has: 1 table and 2 figures ASSOCIATION: None SUEMITTED: 15Apr63 ENCL: 00 SUB CODE: IC NO REF S(W: 001 OTHER: 004	ACCESSION	NR: AP4039262			man i rangan u al assu u qu			-		
ASSOCIATION: None SUEMITTED: 15Apr63 ENCL: 00 SUB CODE: IC NO REF S(W: OOL OTHER: OO);	It was four 3 NaAlH ₄ + 3 NaEH ₄ + NaAlH ₄ + N	nd that the following the same of the same	lowing react F3 2 B2H - 2 B2H6 4 - NeAlF4 + N	tions also 16 + 7 Alf4 14 NaAlf4 TalW4	take place:				•	
SUEMITTED: 15Apr63 ENGL: 00 SUB CODE: IC NO REF S(W: 001 OTHER: 004	1	1	and 2 rigure	8.,				. *	•	!
SUB CODE: IC NO REF SOV: OOL OTHER: OOL			·	1	•	ENCL:	00			
	SUB CODE:	ic	NO REF	S(N: 001		OTHER:	004		:	
							•	•		



ZAKHARKIN, L.I., KHORLINA, I.M.

Reduction of carboxylic acids to aldehydes with dilsobttylaluminum hydride. Zhur. ob. khim. 34 no. 3:1029 Mr :64. (MIRA 17:6)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARKIN, L.I.

Volatile armine complex of dialkyl magnesium. Zhur. ov. khim. 34 no.9:3125 3 464. (NEG. 17:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

8/0020/64/155/005/1119/1122

AUTHOR: Zakharkin, L. I.; Stanko, V. I.; Brattsev, V. A.; Chapovskiy, Yu. A; Klimova, A. I.; Okhloby*stin, O. Yu.; Poncmarenko, A. A. (Deceased)

TITIE: Synthesis and investigation of properties of a new class of organoboron compounds: B sub 10 C sub 2 H sub 12 (barene) and its derivatives.

SOURCE: AN SSSR. Doklady*, v. 155, no. 5, 1964, 1119-1122

TOPIC TAGS: barene, synthesis, organoboron compound, decaborane acetylenic compound reaction, B sub 10 C sub 2 H sub 12, barene derivative, sigma bond formation, hydrolysis stability, thermal stability, acid solvent stability, barene hydrocarbon, barene acetate, dihydroxymethylbarene, haloalkylbarene, dihalodialkylbarene, barene ester, barene ketone, barene ether, halogenation, methanolation, oxidation, Grignard reaction, cyclization

ABSTRACT: The reaction of decaborane with different acetylenic compounds was studied in detail. It was found that in the presence of materials which form complexes of the type $B_{10}H_{12}L_2(L = ligand)$ with decaborane, a new class of compounds is formed: $B_{10}C_2H_{10}RR^4$, barenes.

Card 1/3

 $B_{HH}H_{H} + R - CMC - R_{1} - \frac{L}{C} - R_{1} + 2H_{0}$ $B_{HH}H_{H}$

The reaction is two stage:

1. BioHio + 12L → BioHioLa + Hs
2. BioHioLa + RC = CRi → BioCollioRRi + 2L + Hs.

L — CH2CN, (C2H6)2S, (C3H6)3AS, CHON(CH3)8.

The hydrogen is given off between the B₅ and B₁₀ and the B₇ and B₈ in the complex, so the 12 atom system has no hydrogen bridges. X-ray, IR and chemical analyses show that two 6-bonds are formed on reaction with acetylenic compounds. The barenes are stable to hydrolysis, high temperatures and mineral acids. A number of barene compounds were synthesized and characterized: barene hydrocarbons, acetates of alcohols of the barene series, dihydroxymethylbarene, hulcalkyl- and dihalodialkylbarenes, complex esters of barene acids and diacids, ketones and simple ethers. Some of the reactions involved are discussed: the reaction of alkyl or aryl-barenes with butyllithium with subsequent carbonation to form barene acids; substitution of the boron or carbon hydrogens with halogens; methanolation

Card 2/3

of the acetates to form alcohols; oxidation of the alcohols to acids with CrO_3/H_2SO_4 ; oxidation of hydroxymethylbarene with $KMnO_4$ to form barene; Grignard reaction; cyclization during reaction of a complex decaborane with the chloranhydride of phenylpropiolic acid to form a barene derivative. Orig. art. has: 1

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk 888R (Institute of Organometallic Compounds, Academy of Sciences, SSSR)

SURMITTED: 080ct63

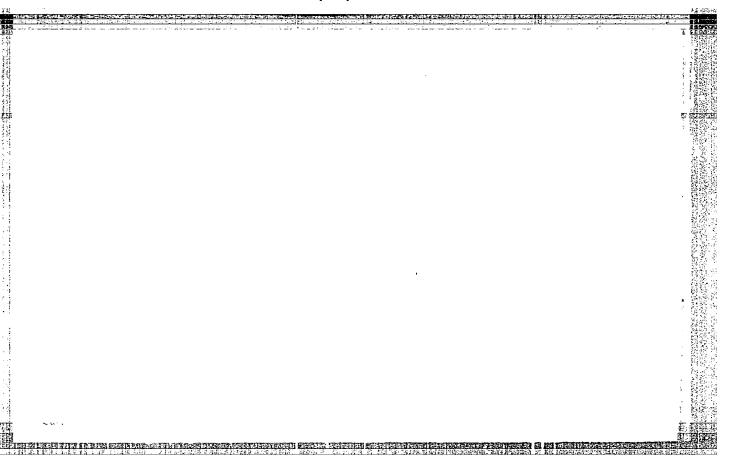
ENCL: O()

SUB CODE: OC

NO REF SOV: COL

OTHER: CO3

Card 3/3



ASSOCIATION Institut alementor repulshoulikh coadinaniv Aledanii oonk SCSD

SUBSTITUTE OFFICE

Met. na

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2

ZAKHARKIN, L.I.; SAVINA, L.A.

Action of disobutyl aluminum hydride on enamines, Izv. Ali SSSR. Ser. khim. no.9:1695-1697 S '64. (MIRA 17:10)

1. Institut elementcorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; GAVRILENKO, V.V.; IVANOV, L.L.

Preparation of acetylenecarboxylic acids by the action of carbon dioxide on complex aluminum acetylides. Izv. AN SSSR Ser. khim. no.11:2066-2068 N 164 (MIRA 18:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; STANKO, V.I.; BRATTSEV, V.A.

Method of oxidation of phenylbarene and its derivatives. Iz. AN
SSSR Ser. khim. no.11:2091-2093 N *64 (MIRA 18:1)

1. Institut elementoorganicheskikh soyecineniy AN SSSR.

ZAKHARKIN, L.I.; KORNEVA, V.V.

Synthesis of 2-alkylidene- and 2-alkylcyclododecanones. Izv. AN SSSR Ser. khim. no.12:2206-2208 D *64 (MIRA 18:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; CHAPOVSKIY, Y1.A.; STANKO, V.I.

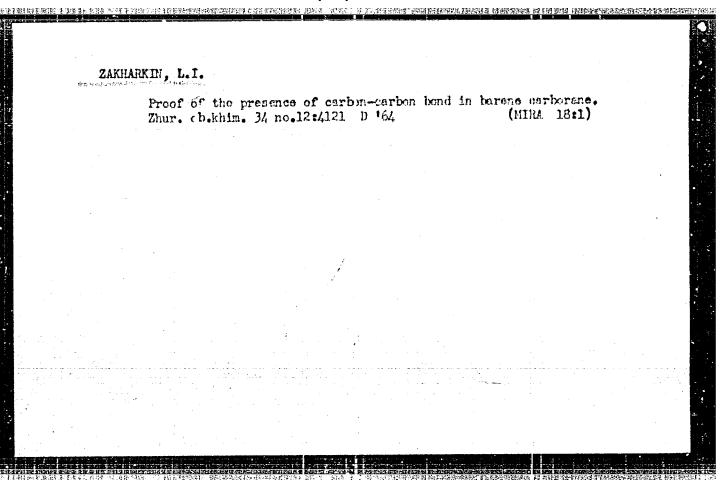
Dissociation constants of some barencearboxylic acids. Inv. AN SSSR Ser. khim. no.12:2208-2209 D *64 (MIRA 18:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; PONOMARENKO, A.A. [deceased]; OKHLOBYSTIN, O. Tu.

Synthesis of hydrocarbon derivatives of barene. Izv. AN SSSR Ser. Khim. no.12:2210-2212 D 164 (MIRA 18:1)

1. Institut elementoorganicheszikh soyedineniy AN SSSR.



IVANOV, L.L.; GAVRILENKO, V.V.; ZAKHAHKIN, L.I.

Reaction of monosubstituted acetylenes with lithium, potassium, and sodium aluminum hydrides and their alkyl derivatives of MALR(4-n)Hn type. Izv. AN SSSR Ser. khim. no.11:1989-1998 N '64 (MIRA 18:1)

1. Institut elementoorganicheskikh soyedinemiy AN SSSR.

ZAKHARKIN, L.I.; KALININ, V.N.

Transformation of barenes into salts of dicarbaundeceborume derivatives by the action of amines. Dokl. AN SS3R 163 no.1:110-112 J1 '65.

(MIRA 18:7)

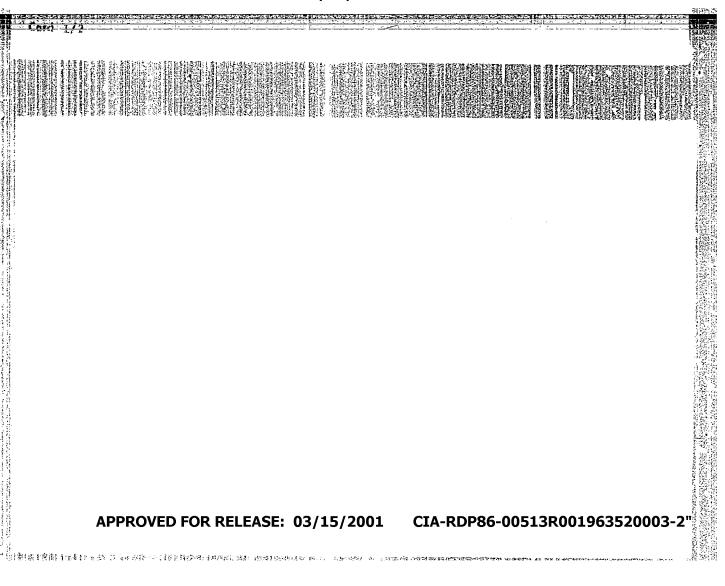
1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted December 31, 1964.

ZAKHARKIN, L.I.

Metalation of barene and its derivatives with alkali metal am des in liquid aumonia. Izv. AN SSSR Ser, khim. no.1:158-160 '65. (MEA 18:2)

1. Institut elementoorganichoskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"



ZAKHARKIN, L.I.; SOROKINA, L.P.; IVANOV, L.L.

Preparation of complex aluminum acetylides from complex aluminum amiden and ox-acetylenes. Izv. AN CECR Ser. khim. no.1:180-182 165. (MIRA 18:2)

1. Institut elementoorganichaskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARRIN, I.I.; OKHIGHYSTIN, O.Yu.: KUDRYAVTETY, R.V.; BILEVICH, K.A.

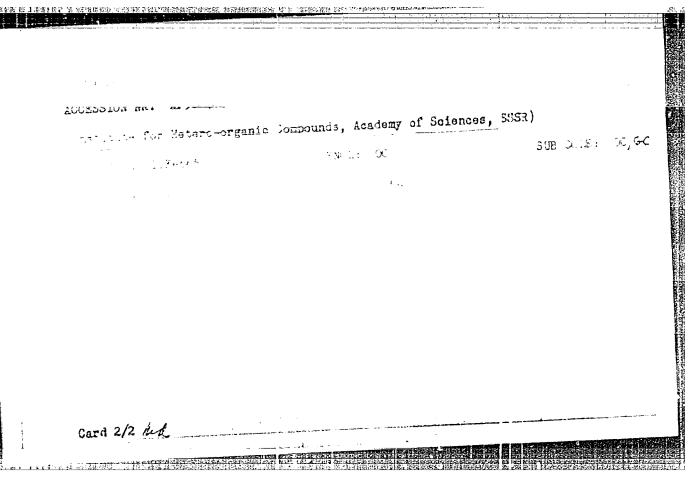
Exchange of organic groups in the systems n-C5H1112Br-X- \(\) \(

ZAKHARKIN, I.I.; KALININ, V.N.

Resetion of amines with barenes, Izv. AN SSSR. Ser. khim. no.3: 579 165. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

WR/OOROF AMAZONE AROUND A MALE AND A MALE AN



ALEKSANDROV, A.Yu.; BREGADZE, V.I.; GOL'DANSKIY, V.I.; ZAKHARKIN, L.I.; OKHLOBYSTIN, O.Yu.; EHRAPOV, V.V.

Organotin derivatives of barenes studied by means of Freebauer spectroscopy. Dokl. AN SSSR 165 no.3:593-596 N 165.

1. Institut khimicheskoy fiziki AN SSSR i Institut elementoorganicheskikh soyedinaniy AN SSSR. 2. Chlen-korrespondent AN SSSR (for Gol'danskiy).

GAVRILEWKO, V.V.; IVANOV, L.L.; ZAKHARKIN, L.I.

Bactions complex alumimum acetylides with carbonyl compounds.
Zhur. ob. khim. 35 no.4:635-638 Ap '65.

(MIRA 18:5)

ZAKHARKIN, L.I.; GAVRILENKO, W.V.

Synthesis of aluminum trikydride complexes of MAIRE; structure.

Izv. AN SSSR. Ser. khin. no.4:644-i49 '65. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.

Splitting of a C-C bond in ketches and alcohols of the barens series under the action of bases. Dokl. AN SSSR 162 no.4:817-(MIRA 18:5) 820 Je 165.

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted November 17, 1964.

ZAKHARKIN, L.I.; KHORLINA, I.M.

Reduction of &-oxides by discontylaluminum hydride and the mechanism of action on A-oxides of simple aluminum hydrides.

Izv. AN SSSR. Ser. khim. no.5:862-870 165. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedinenly AN SSSR.

ZAKHARKIN, L.I.; SOROKINA, L.P.

Some transformations of 6-phenyl-2-pyrone. Izv. AN SSSR. Ser. khim. no.5:870-876 165. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

STANKO V.I.; CHAPOVSKIY, Yu.A.; ERITTNEV, V.A.; ZAKHARKIH, L.I.

Chamistry of decaborane and its derivatives. Usp. Frim. 34
60.611011-1039 Jo 165. (Mira 1817)

1. Institut alementoerganicseskikh soyadinenty AN SSSR:

ZAKHARKIN, L.I., KALININ, V.N.

Sequence of substitution in electrophilic halogenation of barenes (carborames). Izv. AN SSSR. Ser. khim. no.7:1311 '65. (MIRA 18:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN ILL: KOPYLOV, V.V.; SOROKINA, L.P.

Action c: diisobatylaluminum chloride on some ketones. 1zr. AN SSSR. Ser, khim. no.7x1194-1197 165. (MIRA 18:7)

1. Institut elementoorganicheskikh soyedineniy AN 5SSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARKIN, LeI.; PODVISOTSKAYA, L.S.

"Positive" character of salogeb etoms in Cabalobarense. Izw. AN SSSR. Ser. khim. no.8:1464-1466 '65. (MIRA 18:9)

1. Institut elementoorganicheskikh soyedinenty AN SOOR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

	ZANHARKI	IN, L.I., W	IIGAREVA	, G.G.						
***		Alkaline c azelaic so	leavege id. Iz	of land . AN SSE	d <i>4-cyclo</i> P. Sur.)	octenesa: (him. no.8	boxylic 5:1497-14	.99 165.		
		1. Institu	t elemen	atoorgená	cheskikh	soyediner	dy An SS	(MIRA 18:9 SR.	')	
				•						
	, ,									
							•			
	•									

ZAKHARKIN, L.I.; SAVINA, A.A.

New synthesis of arylcyclopropones. 1zv. AN SSSR. Ser. khim. no.8:1508-1509 '65. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

ZAKHARKIN, L.I.; GAVRILENKO, V.V.; IVANOV, L.L.

Preparation of complex aluminum acetylides of the type MAIR* (4-n) (C = CR) and their solvates. Zhur. ob. Khim. 35 no.9:1676-1680 S *165. (M.TRA 18:10)

ZAKHARKIN, 1.1.; KALININ, V.N.

Cleavage of phenylneotarene by hydrazine into a phenylneodicurbundecarborane enion. Thur. ob. khim. 35 no.5:1691-

1092 S 165. (MURA 18:10)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

TARMARKIN, L.1.; KALININ, V.N.; TORVILOISKEYA, L.S.

Freparation of B-hydroxybarenes by the authon of mitrit end on barenes. Izv. AN CSSR. Ser. khim. no.9:1212 165.

(Mick 18:9)

1. Institut elementoorganicheckikh soyedineniy AN SSSR.

ENT(m)/EFF(c)/ENP(j)/ENA(c) RPL JW/RM

ACCESSION NR: APSO25131

UR/0079/65/035/010/1882/1884

547.244

AUTHOR: Zakharkin L. I.; Kalinin, V. N.

TITLE: Synthesis of carboran- and neocarboran-amines

SOURCE: Zhurnal obshchey khimii, v. 35, no. 10, 1965, 1882-1884

TOPIC TAGS: carborane, neocarborane, emine

ABSTRACT: Carboran- and neocarboran-amines with the NH2-group at one of the C atoms of the carborane- or neocarborene ring have been synthesized for the first time. The synthesis proceeds in two steps: treatment of the respective and chlorides with sodium azide and heating of the azides formed with concentrated sulfuric acid. Carboran- and ne carboran-amines are soluble in concentrated H2804. Carboranamines are weak bases due to the electron acceptor effect of the carborane ring and to steric factors. Orig. ert. has: 1 teble.

ASSOCIATION: none

SUBMITTED: 15Mar65

NO REP SOV: 000 Card 1/1 mg.

ENCL: 00

ZAKHARKIN, I.I.: INVOV, A.I.; DUNGUURRAYA, I.O.

Electron-acceptor character of the menharene (neccertarine) system. Inv. AN SCOR.Ser.khim. no.10:1905-1907 165.

(MIRA 18:10)

1. Institut elementoorganicheskikh soyedinenly AN OSOR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

7	The second secon
Tall Mary	L 8149-66 EMP())/EMT(m)/EPF(c) RPL MW/MV/RW ACC NR. AP5027694 SOURCE: CODE: UR/0062/65/000/010/1005/1000
Ĭ	ACC NR. APSO27694 SOURCE CORP.
i	SOURCI: CODE: UR/0062/65/000/220/2005/-
	A T T T T T A C T T T T T T T T T T T T
	ORG: Institute of 0
-	ORG: Ingtitute
į	(Institut elementeorg micheskikh soyedineniy, Akademi rauk 355R)
	or anticorg micheskikh soyed honer Academy of Sciences son
	TITLE. Floates SSR)
į	d dd.S
	SOURCE: AN SSSR. Izvestiya. Sortya khimicheakaya, no. 10, 1965
	1905-1907 Re SSSR. IZVeistiya. Sor.lya khimichaeleee
	1707 1707 no. 10, 1965
	TOPIC MAGO
	organoboron compounds chemical
	TOPIC TAGS: organoboron compound, chemical reaction, chemical bonding
	ABSTRACT: The possibility of rupturing the C-C bond in neobarene neobarene system ware found. Electron acceptor properties for the control of
	neoberene service investigated. Electron secontary bond in neoberene
	For instance found to be wasken than Frequently in the
	ted : _ total phone age in phone person - total in the barene system
	The transfer of the control of the c
	was magain, and curbon and his whom at movement, the feet bond
	was readily split on treatment with the transfer in neobraery vertical transfer in stransity to the intermediate of the analysis in stransity and the contract of the contract
	in the property of the control of th
	to the ones were readily sudman in the arenyl anting
	Card 1/2
	- a Carbon atom of the
	Cond 1/2
81	UDC: 5/12.91+5/17.21
äΙ	不管,所以是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个

OH. Synt	en who	on the lodon of ketones m derivative ll equatio	s of racha	ompound is barene seri rene with a	treater es was cld ch	d with alc offected lorcanhydr	oholic by ides.
ub code:	00/	SUBM DATE:	01Mar65/	ORIG REF:	001/	o'th Ref:	002
	·						
						-	
		•					

L 8148-66 ACC NO. AP5027696 UR/0062/65/000/010/1913/1914 SOURCE (ODE) AUTHOR: Zakharkin, L. I.; Okhlobystin, O. Yu.; Semin. G. K.: Babushkina, T. A. ORG: Institute of Organometallic Compounds, Academy of Sciences SSSR (Institut elementoorganicheskikh toyedineniy, Akademii nauk SSSR) TITLE: Exchange of hydrogen for chlorine in the barene-CClh or -CHCl3 system by the action of aluminum chloride SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 10, 1965, 1913-1914 TOPIC TAGS: organoboron compound, chemical reaction, halogenation, exchange reaction, chlorinated organic compound ABSTRACT: When a solution of barene in carbon tetrachloride or chloroform was boiled in the presence of aluminum trichlorile, the hydrogen atoms of the barene were readily substituted by chlorine atoms to form mono-, di- and trichloroberenes. Similar exchange of hydrogen for chlorine occurred in vinylbarene and methylbarene. Probable reshands for these exchanges is iscussed. Intr. ant, real committees, SUB CODE: OC/ SUBM DATE: 21Jul65/ ORIG REF: 001/ 018 REP: 002

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

自由的。1931年,中华的在11日的15年的中央的18日的中央的18日的中央的18日的中央的18日的18日的18日的18日的18日的18日的18日的18日的18日

norm services represent the best in behavior

IIDC:

511.7214661.718.11

nn Card]/]

ACC ITEM A	<u>66 E:П(n)/EFF</u> Р5027697	SOURCE	CODE: I	m/0062/6	5/000/010	/1914/191	LL 7
AUTHOR:	Bilevich, K,	A.; Zakhar	cin, L.	Okuloj 442,	ystin. O	Yu 44,65	60
ORG: In	stitute of Or t elementoorg	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~				SR SR
TIPLE:	Inion radical	s of the bar	one seri	e s			- - - - - -
	AN SSSR. Izve				no. 10.	1965 10	7).
TOPIC TAC	S: organobor	arioombonu. Lunod‱oo do.	· chemic	al react!	on. E ^{rr}	5 mat n. ==	14
ethano. With wate relatival	Aryl substitute of the se solution or alcohol, y high affini	ons were december there	olorized	by air a Idrogen e	iuran cr nd by do: volution	dimethox; omposition The	y- on
క్స్తీనిక్కుడు. ఇక్ఞంకెక్కుడును	- 113.0st	thoed care.	:		കൾയിച്‱ും. സ്ത്രാക്ക	ييد والا	
tigmu tyt Mae a th	The structure of the st	N. Pakana N. Pakana N. Pakana		irmatici Printiga Bio meas:	in for the grant of the formation of the	Lance Car	· · · · · · · · · · · · · · · · · · ·

F		l eg	02769 uatio						O	1
				SUBM DATE:	22Ju165/	orig ref:	000/	ove ref	: 000	į
										÷
										:
										1
						٠,				
										:
	c	2/2 (3))							1

ZAKHAFKIN, L.I.; KALININ, V.N.

Iransformations of phenyltarene and phenylnectarens. 12v.

AN SSSR.Ser.khim. no.12:2200-2209 165. (M.FA. 18:22)

1. Institut elementoorganichaskikh soyedineniy AN SSSR.

Submitted April 9, 1965.

·	2017年1月1日(1917年) 1917年 - 1917
I. 15305-66 ACC NR AP6	ENT(m)/ENP(t)/ENP(b)/ENE(h) IJP(c) JD/JG SOURCE CODE: UH/0078765, OLI/001/0013/0019
AUTHORS: Za	kharkin, L. I.; Haglin, D. N.; Cavrilenko, V. V.
ORG: none	oralination of the second of t
TITLE: Prop etneral and	bydrocarbon media
SOURCE: Zhu	ernal neorganicheskoy khimii, v. 11, no. 1, 1966, 13-19
	diborane, borohydrida, tocon compound, inorganic synthesis
	Four possible methods for preparing diborane (I) were investigated: of boron trichloride (II) with sodium aluminum hydride (III) according to
the equation	3NaAlH ₆ + 4BCl ₁ -+ 2B ₂ H ₆ + 3NaCl + 3AlCl ₂ ;
solvents; AlOl, and synthesis i	boron trifluoride (IV) with IXI in various ethers and hydrocarbons as c) two-step synthesis, the first step being reaction of IXI with LiG1 or the second—the addition if ether solution of IV; d) also a two-step evolving first the preparation of a reaction mixture of ALDI, with sodium (Y) and then a reaction of this solution with ethersal V. Thus study is no of the work published earlier by the authors (An. nears, knimil, 7,

L 15305-56 ACC NR: AP6002809	and the continues of the extension of the control o	and all the ended to the second secon	9
vere performed under a vessel, was passed throws a served that: 1) reaction of III with	was obtained by reacting I stream of pure nitrogen whough acetone traps for collition of [a] proceeds with differential [b] reaction of particles in night in the colliner of	ecting the diborare. a number of intermedia f == 10% of diglyre and roduces I in large and yields of I; 5) add ition of TV, permits	it was stos; 2, migh ne ambod outbos; ction o. Alous
ota poren content. C	SUEM DATE: 08Jun64/		0Тн наг: 007
	•	₹	
			1 1
			-

"APPROVED FOR RELEASE: 03/15/2001 CIA-R

CIA-RDP86-00513R001963520003-2

SOURCE CODE: UR/0062/66/000/001/0151/0153 L 36922-66 ACC NR: AP6008506 AUTHOR: Zakharkin, L. I.; L'vov, A. I. ORG: Institute of Heteroorganic Chemistry, Academy of Sciences, SSSR (Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR) TITLE: Synthesis of ketones of the harene series SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 1, 1966, 151-153 TOPIC TAGS: chemical synthesis, carboxylic acid c. loride, barene series, ketone, organoboron compound ABSTRACT: Because ketones of the barene series, which contains a carbonyl group linked with the carbon atom of the barene nucleus, are virtually unstudied, the synthesis of only two such ketones having been reported, the authors investigated their synthesis. It is found that ketones of the barene series can be readily synthesized under the effect of lithium derivatives of barenes on the acid chlorides of carboxylic acids. The acid chlorides of aromatic, aliphatic, and heterocyclic acids are introduced into the reaction. The yields of ketones are 50-95% of the theoretical. The 15 ketones synthesized by this method are presented in Table 1. Symmetric and asymmetric bis-barene ketones are synthesized when the acid chlorides of barene carboxylic acids are used. Orig. art. has: I table. UDC: 542.91+661.718.4 Card 1/2

ACC NR: AP7012426

SOURCE CODE: UR/0079/66/036/010/1734/1735

AUTHOR: Okhlobystin, O. Yu.; Zakharkin, L. I.

ORG: none

TITLE: Influence of coordination on the ability of organocadmism compounds for metallation reaction

SOURCE: Zhurnal obshchay khimii, v. 36, no. 10, 1966, 1734-1735

TOPIC TAGS: organocadmium compound, metallation, coordination chamistry, organolithium compound, organomagnesium compound

SUB CODE: 07

ABSTRACT: The metallation of phenylacetylene with diethylcadmium in the presence of various electron donor aprotonic complex formers was studied to determine whether the general principle of increasing nucleophilic activity of the metal-carbon bond in coordination is applicable to such relatively nonreactive substances as alkyl derivatives of cadmium. It was found that the nucleophilic activity of diethylcadmium can be varied in very wide range in the selected model reaction by suitable selection of the complex-forming solvents. The rate of metallation of phenylacetylene by diethylcadmium depends on the complex-forming ability of the medium; in diethylether the reaction virtually does not take place, while in the presence of an equimolar amount of N.N'-tetramethylethyl-take place, while in the presence of an equimolar amount of N.N'-tetramethylethyl-

	rigorous. according formamide dipyridyl lating ab	to increasing dimethylsul. In the pre-	g acceleration of acceleration of acceleration of acceleration with the commence of acceleration with the commence of acceleration of accelera	on of the methyltria fficiently as found tum and organization	reaction): midophospha strong cor	extallation is liste positions dimethox/ethan ate, and alpha mplexformers, to the metall compounds.	.alpha-
	Orig. art	t. has: 1 tab	le. [JPRS:	40,422/			
•							
1 .							
•							
	2-/						
,· · ·						e for a series of the series o	,
							*** at

ACC NA: AP6025697 SOURCE CODE: UR/0078/66/011/005/0977/0980

AUTHOR: Zakharkin, L. I.; Gavrilenko, V. Y.

ORG: none

TITLE: Effect of alkali metals on lithium aluminum hydride

SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 5, 1966, 977-930

TOPIC TAGS: lithium aluminum hydride, alkali motal

ABSTRACT: The reactions of lithium sluminum hydride with alkali metals were studied in other solvents (diethyl other, ditutyl other, diethylone glycol diethyl other and tetrahydrofuran). The reactions of LiAlH4 with sodium and potassium were also studied With sodium, potassium, rubidium and cesium, metallic lithium separates and the corresponding alkali aluminum hydride is formed:

Lially + M - Mally + Li; M = Na, K, Rb, Cs.

This is an equilibrium reaction. A side reaction is the hydrogenation of the alkali metal of the aluminum hydride, as follows:

3M + MAIH4 - 4MH + Al.

Card 1/2

UDC: 546.623*34*11+546.311

ACC NR:	AP6025697						1	y
							þ	
Another	side reaction	is thought	to be	hydrogenation)	hv al	nainim	hidrida	(formed

Another side reaction is thought to be hydrogenation by aluminum hydride (formed by the decomposition MAIH4 = MH + AIH3):

3K + 4A1H3 - 3KA1H4 + A1.

The reaction of exchange of the alkali metal with Lially is faster than the hydrogenation reaction.

SUB CODE: 07/ SUBM DATE: 18Sep64/ ORIG REF: 001

card 2/2 ULR

8/138/61/XO/010/007/009 28951 NO51/A129

Zakharkin, O.A., Koldayeva, T.N., Lisogurskiy, Z.I., Skovorodkin, P.A., Polyak, M.A., Yur'yeva, A.K.

11. 2320 AUTHORS:

Some peculiarities of the preparation of rubber mixes in a two-speed

PERIODICAL: Kauchuk i rezina no. 10, 1961, 39 - 41 TITLE:

Experiments were conducted on the new two-speed rubber mixer APC-140 (DRS-140) manufactured at the Kiyevskiy mashinostroitel nyy zavod (Kiyev Machine-(DRS-14U) manufactured at the algebraic to designs of the NIIIh I mash. Its ro-Puilding Plant) "Bol'shevik", according to designs of the NIIIh I mash. The papacity of the mix tors have 10 76/16 76 and 30,52/33.5 rnm; respectively. Building Plant; Bol snevik, according to designs of the mix-tors have 19.76/16.76 and 39.52/33.5 rpm; respectively. The Departity of the mixing chamber is 245 liters, the size of the spaces between the blades of the return and the ualls of the mixing chamber 6.7 mm Results of the avandments tors and the walls of the mixing chamber 6-7 mm. Results of the experiments showed that when preparing seeing hoseken mixes in the mixing the mixes and the walls of the mixing chamber 6-7 mm. showed that when preparing casing-breaker mixes in the rubben mixer at 40 rpm a mixing duration of 1-5 min without taking into account the loading and una mixing duration of 1.5 min without taking into account the losating and uniformly and a specific pressure of the upper press of 3.7 kg/cm², the volume of the losating, and a specific pressure of the upper press of 3.7 kg/cm², the volume of the losating and uniformly the duality of the mix the losating and a specific pressure of the upper press of 3.7 kg/cm², the volume of the losating and uniformly the duality of the mix the losating and uniformly the losating and uni the load may be brought to 165 liters without impairing the quality of the mix. The loading coefficient of the chamber of the DRS-140 rubben mixer is 65%. Thus

Card 1/2

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963520003-2

Some peculiarities of the preparation ...

28951 8/138/61/000/010/007/009

the effect of the loading volume was checked and the optimum value (165 1) confirmed for the casing and breaker mixes based on 100% NR and combinations of it with CKE (SKB), also for tread mixes based on 100% butadiene-styrens rubbers. The 1.5 min duration time is recommended for the casing and breaker mixes in one stage at 40 rpm of the rotor with an introduction of sulfur in the 84-inch rollers. Conditions for preparing tread mixes based on 100% butadiene-styrene rubbers in two cycles are recommended. The possibility of using the PC-2 (RS-2) rubber mixers available at the plant is pointed out in order to accomplish the second cycle of mixing of the tread mixes as well as introduction of sulfur and accelerators. The following persons took part in the work: J.J. Gav.shinov, A.S. Savina, Yu.A. Aleksandrov, A.N. Semenova. There are 4 tables and 10 Scviet-bloc

ASSOCIATION: Yaroslavskiy shinnyy zavod (Yaroslavl' Tire Plant)

ACCESSION NR: AP4038909

8/0138/64/000/005/0053/0055

AUTHORS: Vasil'yov, G. Ye.; Yemel'yanov, D. P.; Epshteyn, V. G.; Polyak, M. A.; Zakharkin, O. A.; Yartsev, V. A.; Golkin, V. B.

TITLE: Improving the quality of rubber compounds by means of carbon black master batches

SOURCE: Kauchuk i rezina, no. 5, 1964, 53-55

TOPIC TAGS: carbon black, SKS30ARKM : ubber base, SKS30ARKM carbon black, gas furnace carbon black, furnace PM 70 carbon black, vulcanization index

ABSTRACT: This investigation involved three types of master batches: 1) a low-modular protector batch on SKS-30ARKM rubber base, containing (per 100 g rubber) 40 g channel carbon black and 20 g gas furnace carbon black; 2) a carcass batch on SKS-30ARK-15 and natural rubber base (in a 90:10 ratio), containing 40 g gas furnace carbon black; 3) a protector batch on SKS-30ARKM-15 rubber base, containing 50 g PM-70 carbon black. The batches were prepared in a laboratory mixer. Their discharge temperature was within the 160-1750 range. They were rolled and stored for 24 hours before being incorporated into a base mix. The tests for the physicomechanical properties of the vulcanizates of rubber compounds prepared with these carbon black-rubber mixtures proved their superiority to the controls of the same Cord 1/2

i	ACCESSION	KR:	AP4038909

compositic but prepared under standard procedures. The laboratory data were checked at the Yaroslavl' Tire Plant under factory conditions. Orig. art. has:

ASSOCIATION: Yaroslavskiy tekhnologicheskiy institut, (Yaroslavl' Technological Institute); Bakinskiy shinny*y zavod (Baku Tire Plant); Yaroslavskiy shinny*y.

SUBMITTED: 00

DATE ACQ: 05Jun64

ENCL: 00

SUB CODE: MT

NO REF SOV: 003

OTHER: 005

Card 2/2

ALC NR. AP7008174 SOURCE CODE: UR/0138/67/000/001/0013/0014

AUTHOR: Epshteyn, V. G.; Zakharkin, O. A.; Polyak, M. A.; Yukhnevich, S. G.

ORG: Yaroslavl Institute of Technology (Yaroslavskiy tekhnologicheskiy institut)

TITLE: Effect of additions of SKD-10 liquid polymer on the technological properties of compositions made with 100 percent of synthetic butadiene rubber

SOURCE: Kauchuk i rezina, no. 1, 1967, 13-14

TOPIC TAGS: synthetic rubber, butadiene rubber, polymer, vulcanizec rubber, technical property/SKD 10 polymer

ABSTRACT: A method is proposed for improving the technological properties of compositions made with carboxylated butadiene rubber by introducing SKD-10 liquid polymer. The introduction of liquid polymer does not cause a deterioration of the physicomechanical characteristics of vulcanized rubber. Orig. art. has:

SUB CODE: 11/SUBM DATE: 11Jul56/ORIG REF: 003/

Card 1/1

UDC: 678. 762. 2:678. 062. 004. 12

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

POLYAK, M.A.; EPSHTEYN, V.G.; LISOGURSKIY, I.Z.; YUR'YEVA, A.K.;

ZAKHARKIN. O.A.; KOLDAYEVA, T.N.; Prinimali uchastiye:

SKOVORODKIN, P.A.; GAVSHIROV, I.I.; MINEYEV, A.N.; SUR'YANITOVA,

M.N.; BORISOV, N.V.

Studying the process of rubber mixture preparation in 20 r.p.m. rubber mixers. Kauch.i rez. 22 no.4:5-10 Ap 163.

(MIRA 16:6)

1. Yaroslavskiy shinnyy zavod i Yaroslavskiy tekhnologicheskiy institut.

(Rubber) (Rubber machinery)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

VASIL'YEV, G.Ya.; YEMEL'YANOV, D.P.; EPSHTEYN, V.G.; POLYAK, M.A.;
ZAKHARKIN, O.A.; YARTSEV, V.A.; GOLKIN, V.B.

Transving the quality of rubber compounds by using carbon black

Improving the quality of rubber compounds by using carbon black master batches. Kauch. i rez. 23 no.5:53-55 My. 164. (MIRA 17:9)

1. Yaroslavskiy tekhnologicheskiy institut, kakinskiy shirnyy zavod i Yaroslavskiy shinnyy zavod.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

Come brigade operates on two faces. Sow.shakht. 10 no.9:1819 S '61. 1. Zamestitel'glavnogo inzhenera shakhty No.17 kombinata Vorkutaugol' (for Zakharkin). 2. Nachal'nik uchastka No.1 shakhty No.17 kombinata Vorkutaugol' (for Kiyuzhev). 3. Pechorakiy nauchno-issledovatel'skiy ugol'nyy institut (for Artamonov). (Pechora Basin-Coal mines and mining)

ZAKHARKIN, V. Voluntary council of drivers and conductors. Avt. transp. (HTRA 16:5) no.4:11 Ap '63. 1. Predsedatel' mestnogo komiteta Kaliningradskoy avtokolomby No.1115. (Kaliningrad—Transportation, Automotive)

PHTROCHENKO, P.F.; SHAPIRO, I.I.; LUR'YE, G.B., prof.; DAYON, M.Ye., insh.;

ZAKHARKIN, 7.I.; insh.; MAYCROVA, A.V., insh.; FELIKSCH, H.I., insh.;

FILIPPOVA, L.A., insh.; GVOZDEVA, A.H., insh.; DOBRITSTNA, R.I.,
tekhn.red.

[General engineering time norms for the technical standardization of machining processes on grinding machines; small-lot and piece production] Obshchemashinostroitel'nye normativy vremeni dlia tekhnicheskogo normirovaniia rabot na shlifoval'nykh stenkakh; melkoseriinoe i edinichnoe proizvodstvo. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1960. 38 p.

(HIRA 14:1)

1. Moscow. Nauchno-issledovatel'skiy institut truda. TSentral'noye byuro promyshlennykh normativov po trudu. 2. Glavnyy insheter TSentral'nogo byuro promyshlennykh normativov po trudu. pri Mauchno-issledovatel'skom institute truda (for Petrochenko). 3. Zaveduyu-shchiy otdelom mashinostroyeniya TSentral'nogo byuro promyshlennykh normativov po trudu pri Mauchno-issledovatel'skom institute truda (for Shepiro). 4. TSentral'noye byuro promyshlennykh normativov po trudu pri Mauchno-issledovatel'skom institut truda (for Dayon, Zakharkin, Mayorova, Felikson, Filippova, Gvozdeva).

(Grinding and polishing)

ISAMOV, A.A. (Kemerovskaya oblast'); ZHURGARAYEV, Amangel'dy (Dahambul'skaya obl., KazSSR); VLADIMIRO7, A. (Asbest); FRIMAN, L.Z. (Yaroslavl'); KILIMNIK, Ya.Ye. (Vinnitsa); TEREKHOV, I.A. (Skopin); AKDAULETOV, N.A. (pos.Mertuk. KazSSR); ZAKHARKEN, V.Ye. (pos.Rudtsev, Tul'skaya oblast'); SHESTOPAL, G.A. (Moskva); KOTIY, O.A. (Yaroslavl'); GAUKHMAN, V.A. (Moskva); LOPSHITS, A.M. (Yaroslavl'); SERGUSHOV, S.A. (Yaroslavl'); GOTMAN, E.G. (Pechora); VETROV, K.V. (Putintsevo, Vostochno-Kazakhstanskoy obl.); MIKHELEVICH, 2h.Kh. (Daugavpils); SKOPETS, Z.A. (Yaroslavl'); RYEMKOV, L.M. (Yaroslavl'); CHEGODAYEV, A.I. (Gavrilov-Yam)

Problems. Mat.v shkole no.6:85-92 N-D '62. (MIRA 16:1) (Mathematics--Problems, exercises, etc.)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

于加盟/国际行行 23

VILKOVISKIY, A.L., prof.; ZAKHAR'IN, Tu.L., kand.biolog.nauk

Metabolic role of the lungs. Terap.arkh. 31 no.6:46-52
Je '59.

1. Iz filiala legochnoy patologii rukovoditel' - chlenkoraspondent AMN SSSR prof.P.I.Tegorov) Instituta terapii
AMN SSSR.

(PMENICOMECTOMY, eff.
on carbohydrate, fat & protein metab. (Rus))
(METABOLISM
eff. of pneumonectomy on metab. of various substances (Rus))

ACCESSION MR: AP4045517

P/0045/63/024/001/0003/0012

AUTHOR: Mazur, Yu.; Pentkovska, Ya.; Rafalovich, Ye.; Zakharko, V.

TITIE: On electric property of filiform silver single crystal investigated as a function of temperature

SOURCE: Acta physica polonica, v. 24, no. 1, 1963, 3-12

TOPIC TAGS: electrical resistance, filiform crystal, low temperature physics, cryogenics, filiform silver, monocrystal silver

ABSTRACT: The principle task of this experimental investigation was to determine the electric resistance of filiform silver single crystals at room temperature down to 1.77 - 4.2 K. The diffusion scattering of conduction electrons from the surface as a result of changes in whisker diameter was also under study. The effect of various temperatures on the specific resistance was compared for silver wires and whiskers. The authors describe the method and equipment used in this study and the conditions under which it was carried out, as well as the techniques used to prepare the specimens. The minimum of resistance for silver whiskers was determined.

و في الدويات في المنطقة والمنطقة والمن المنطقة والمنطقة والمنطقة والمنطقة والمنطقة والمنطقة والمنطقة

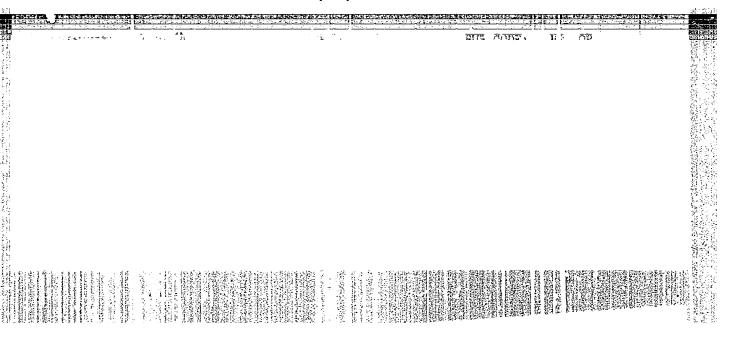
Card 1/2

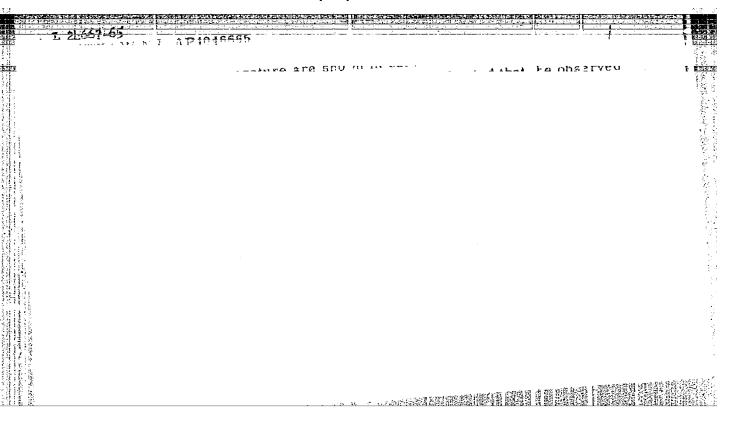
	A6800	LATIO	N:	Zakla orato	d Ni	skich f the	Tem;	perat	ur In	stytu tute	tu F of th	iziki e Pol	PAN,	Wroel cedeny	of S	ri anc	es 1
		TED:			`	\			L: 0				•	B COLE	-		
1	no r	e: 8	OV:	000	•			OTH	er: (021	-						;
			* *							سو ومس							
Card	12/2				٠,						•		•				

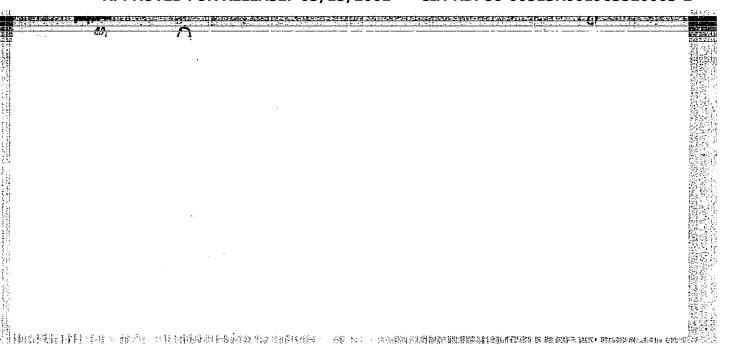
ZAKHARKIN, L.I.; SAVINA, L.A.

Formation of cyclic hydrocarbons during the decomposition of some organoaluminum compounds. Zhur. ob. khim. 35 no. 1142-1146 Jl 165. (HIRA 18:8)

L 35358-66; EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(e) JD	
ACC NR: AF6017807 SCURCE CODE: UR/0058/66/000/001/D085/D	25
AUTHOR: Zakharko, Ya. Ma	3
TITLE: Dependence of the x ray luminescence yields of NaI(T1) crystals on the interty of the exciting radiation	nsi-
SOURCE: Ref. zh. Fizika, Abs. 1D657	
REF SOURCE: Visnyk L'vivs'k. un-tu. Ser. fiz. L'viv, 1964, 33-35	
TOPIC TAGS: x ray effect, luminuscence, activated crystal, luminescent crystal, recombination luminescence, radiative capture, excitation spectrum)-
ABSTRACT: The author investigated the dependence of x-ray luminescence yields in NaI(T1) crystals on the x-ray intensity. It is established that the luminescence tensity is higher when excited with the harder harmonics in the presence of the Cu line than in the case when only the higher harmonics, separated from the continuous spectrum of the x-ray tube, are present. It is concluded that an appreciable role played in processes of excitation of luminescence by soft x-radiation by the captulevels due to the prior history of the samples and by the nonradiative mecombination centers connected with the surface. [Translation of abstract]	is re
SUB CODE: 20	
	-
Card 1/1 /-lh	







ZAKHARKO, Ka.M.; CHEPELEV, V.V.

Some effects of the interaction between X rays and NaI (T1) crystals and their relation to scintillation spectrometry. Izv. AN SSSR Ser. fiz. 29 no.1:78-81 Ja 165.

(MIRA 18:2)

1. L'vovskiy gosudarstvennyy universitet im. Iv. Frankc.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520003-2"

	N 43: 6850 144;	1/1/4-/	1/20186/80/10	
AUTHORS:	Zakharko, Ya. M;	Cheps, yev, v. v.	(Chepaley, way for	/
711111: 46 anne	The resolving pure:	of to Nel(El) sel ya	ntillator in the real	-
SUURUE:	Ukrayins kyy fizyo	hnyy zharnal, v. 10), no. 6, 1965, 653-65	5
TUPLU TA(BS: sodium compount vector, x-ray detec	و د الم	, scintillation detect	or,
power on peak for	of NaI(T1). The d the reciprocal of CuK and McK x race	spendence of the sq the mean amplitude was the	and in the form of k were cut from single ware of the resolving of the total absorpt of the total and the protects that are mainly	n
Card 1/3			ond on the metallity	

L 1583-66
ACCESSION NR: APROLUMAL
responsible for inherent resolution, are inappreciable in this energy range. The light yield per absenced contum is thur the only range terms of the twinter too as a full content low energies. It is tend to the content of the content of the content of the maximum serve tooling with NaT(lo) physicals we must use crystals with maximum serve tooling escence (high concentration of the activator impuritywe. per cent thallium iodide). Good results are obtained when using a natural element face of me arm to compare by a thir light of the cattural elements. The especial of the arm to content to look and the full factor of the carrying out some optical measurements and for taking part in the fine cursion of the results of the paper. The originary has: I formulas and 2 figures.
 ASSOCIATION: Livivs kyy derzhuniverstet [Livovskiy gosudarstvennyy universitet] (Livov State University)
Card 2/3